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NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 27	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28	Oct 21	EVENTLINE has been reloaded
NEWS 29	Oct 24	BEILSTEIN adds new search fields
NEWS 30	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 31	Oct 25	MEDLINE SDI run of October 8, 2002

NEWS EXPRESS	October 14 CURRENT WINDOWS VERSION IS V6.01, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
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FILE COVERS 1907 - 8 Nov 2002  VOL 137 ISS 20
FILE LAST UPDATED: 7 Nov 2002  (20021107/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=> s 1-(6-chloro-3-pyridylmethyl)-2-nitroimino-imidazolidine
MISSING OPERATOR '1-(6-CHLORO-3'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s-pyridylmethyl-2-nitroimino-imidazolidine
S-PYRIDYLMETHYL-2-NITROIMINO-IMIDAZOLIDINE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s imidazolidine
L1         1996 IMIDAZOLIDINE

=> s l1 and 2-nitroamino
        7511895 2
            383 NITROAMINO
             46 2-NITROAMINO
                (2(W)NITROAMINO)
L2            0 L1 AND 2-NITROAMINO

=> s l1 and nitroimino
            204 NITROIMINO
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L3          41 L1 AND NITROIMINO

=> s l3 and pyridylmethyl
          4000 PYRIDYLMETHYL
L4          11 L3 AND PYRIDYLMETHYL

=> s l4 and insecticide
         60153 INSECTICIDE
L5          11 L4 AND INSECTICIDE

=> s 1,2,4-triazole
       7334888 1
       7511895 2
       4552543 4
         18897 TRIAZOLE
L6       10014 1,2,4-TRIAZOLE
                 (1(W)2(W)4(W)TRIAZOLE)

=> s l6 and 1-ethanol
       7334888 1
        179416 ETHANOL
          1941 1-ETHANOL
                 (1(W)ETHANOL)
L7          80 L6 AND 1-ETHANOL

=> s l7 and chlorophenyl ethyl
         39552 CHLOROPHENYL
        317151 ETHYL
           445 CHLOROPHENYL ETHYL
                 (CHLOROPHENYL(W)ETHYL)
L8          11 L7 AND CHLOROPHENYL ETHYL

=> s l4 and l8
L9           0 L4 AND L8

=> d l4 1-11 ibib hitstr abs

L4   ANSWER 1 OF 11  CAPLUS  COPYRIGHT 2002 ACS
ACCESSION NUMBER:        1996:731325  CAPLUS
DOCUMENT NUMBER:         126:3109
TITLE:                   A Hemiptera insect-controlling method for rice paddy
INVENTOR(S):             Hiraoka, Hiroshi; Shibata, Takehiko; Oochi, Seigo;
                         Ishimoto, Yasuhiko
PATENT ASSIGNEE(S):      Sumitomo Chemical Co, Japan; Nihon Tokushu Noyaku
                         Seizo Kk
SOURCE:                  Jpn. Kokai Tokkyo Koho, 7 pp.
                         CODEN: JKXXAF
DOCUMENT TYPE:           Patent
LANGUAGE:                Japanese
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

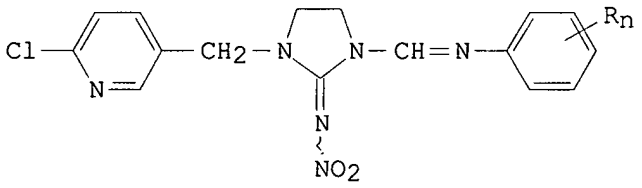
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
     JP 08245314        A2   19960924       JP 1995-49684    19950309
     CN 1137506         A    19961211       CN 1996-102747   19960308
PRIORITY APPLN. INFO.:                   JP 1995-49684       19950309
AB   Hemiptera insects in rice paddy are controlled by sidedress application of
     compns. contg. fertilizers and insecticidal nitromethylenes, nitroimines,
     or cyanoimines having H2O soly. .gtoreq.100 ppm at the time of planting
     rice seedlings.  Sidedress application of granular fertilizers contg.
     1-(2-chloro-5-pyridylmethyl)-2-(nitroimino)
     imidazolidine when planting rice seedlings in June caused 100%
```

inhibition against Nilaparvata lugens over .gtoreq.70 days.

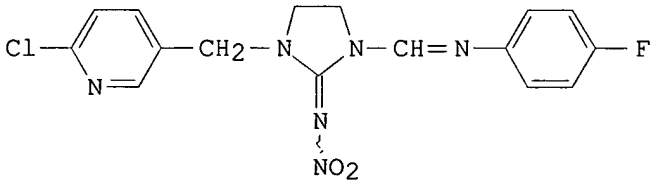
L4 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1992:490295 CAPLUS
DOCUMENT NUMBER: 117:90295
TITLE: Preparation of 1-(phenyliminomethyl)-2-**nitroimino**-3-(2-chloropyridin-5-ylmethyl)imidazolidines as insecticides
INVENTOR(S): Kodaka, Kenji; Kinoshita, Katsutoshi; Nakaya, Michihiko; Ebihara, Koichi; Shiraishi, Shirou; Yamada, Eiichi; Numata, Satoshi
PATENT ASSIGNEE(S): Mitsui Toatsu Chemicals, Inc., Japan
SOURCE: Eur. Pat. Appl., 38 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 490323	A1	19920617	EP 1991-121102	19911209
EP 490323	B1	19960501		
R: CH, DE, ES, FR, GB, IT, LI, NL				
JP 05032660	A2	19930209	JP 1991-320452	19911204
JP 2984119	B2	19991129		
US 5219868	A	19930615	US 1991-802092	19911204
ES 2086466	T3	19960701	ES 1991-121102	19911209

PRIORITY APPLN. INFO.: JP 1990-407153 19901210
OTHER SOURCE(S): MARPAT 117:90295
GI



I



II

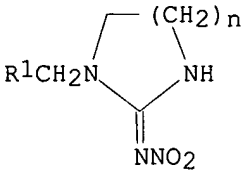
AB Title compds. [I; R = H, halo, (halo)alkyl, (halo)alkoxy, methylenedioxy, alkylthio, alkylcarbonyl, alkoxycarbonyl, OH, cyano, NO2, alkylamino, Ph, PhO, PhCH2, halopyridylmethoxy; n = 1-3], were prepd. Thus, 1-(4-fluorophenyliminomethyl)-2-nitroiminoimidazolidine (prepn. given), 2-chloro-5-chloromethylpyridine, K2CO3, and Me2SO were agitated at 70.degree. for 1 h to give title compd. II. Numerous I as 100 ppm emulsions gave complete control of Laodelphox striatellus on rice.

L4 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1990:515302 CAPLUS
DOCUMENT NUMBER: 113:115302

TITLE: Preparation of 1-substituted 2-(**nitroimino**)-1,3-diazacycloalkanes as insecticides
INVENTOR(S): Diehr, Hans Joachim
PATENT ASSIGNEE(S): Germany
SOURCE: Ger. Offen., 6 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3830238	A1	19900315	DE 1988-3830238	19880906

OTHER SOURCE(S): MARPAT 113:115302
GI



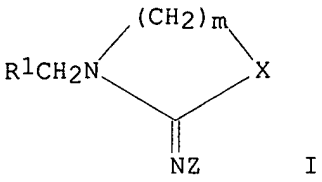
I

AB The title compds. [I; R1 = 5- or 6-membered heterocycle contg. 1-4 heteroatoms, optionally substituted by halogen, cyano, NO2, (halo)alkyl, (halo)alkenyl, alkynyl, alkoxy, etc.] were prepd. as insecticides (no data) by alkylation of 2-(**nitroimino**)-1,3-diazacycloalkanes with haloalkyl derivs. in the presence of a diluent, in the absence of an acid acceptor, and with the addn. of CsCl. Thus, 1-(2-chloro-5-**pyridylmethyl**)-2-nitroiminoimidazolidine was prepd. in 90.2% yield by refluxing for 5 h a mixt. of 6-chloro-3-chloromethylpyridine, 2-(**nitroimino**)**imidazolidine**, K2CO3, CsCl, and MeCN.

L4 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1989:207820 CAPLUS
DOCUMENT NUMBER: 110:207820
TITLE: Synergistic insecticidal and microbicidal compositions containing imino-substituted heterocyclic compounds and validamycin A analogs
INVENTOR(S): Tsuboi, Shinichi; Sasaki, Akitaka; Hattori, Yumi; Kurahashi, Yoshio; Sakawa, Shinji
PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63154602	A2	19880627	JP 1986-300008	19861218
JP 07098724	B4	19951025		

OTHER SOURCE(S): MARPAT 110:207820
GI



I

AB Insecticide-microbicide compns. consist of imino-substituted heterocyclic compds. [I; X = S, CH2, or NR2 (R2 = H or alkylcarbonyl); R1 = pyridyl or thiazolyl, with or without substituents (halo and/or alkyl); m = 2 or 3; Z = NO2 or CN] and validamycin A, 3'-isopropoxy-2-methylbenzanilide, o-trifluoromethyl-m'-isopropoxybenzoic acid anilide, and/or 6-(3,5-dichloro-4-methylphenyl)-3(2H)-pyridazinone. 1-(2-Chloro-5-**pyridylmethyl**)-2-(**nitroimino**)**imidazolidine** and validamycin A (40 and 30 ppm, resp.) in aq. suspension, were applied to pots contg. rice seedlings. Leafhopper larvae and Pellicularia sasakii introduced into the pots were completely destroyed within 3 and 10 days, resp.

L4 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1989:2918 CAPLUS
DOCUMENT NUMBER: 110:2918
TITLE: Agricultural synergistic insecticides containing heterocycles
INVENTOR(S): Tsuboi, Shinichi; Sasaki, Akitaka; Hattori, Yumi
PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63126804	A2	19880530	JP 1986-269925	19861114
JP 2553530	B2	19961113		

OTHER SOURCE(S): MARPAT 110:2918
GI For diagram(s), see printed CA Issue.
AB Insecticides contg. heterocycles I [X = S, CH2, NR2 (R2 = H, alkylcarbonyl); R1 = (halo- or alkyl-substituted)pyridyl, (halo- or alkyl-substituted)thiazolyl; n = 2, 3; Z = NO2, cyano] and at least one of cartap, thiocyclam, buprofezin, diflubenzuron, N-(2,6-difluorobenzoyl)-N'-[3,5-dichloro-4-(3-chloro-5-trifluoromethyl-2-pyridyloxy)phenyl]urea, 3-phenoxybenzyl 2-(4-ethoxyphenyl)-2-methylpropyl ether, 1-[4-(2-dichloro-1,1-difluoroethoxy)phenyl]-3-(2-chlorobenzoyl)urea, 1-(4-trifluorophenyl)-3-(2,6-difluorobenzoylurea, 1-(2,4-difluoro-3,5-dichlorophenyl)-3-(2,6-difluorobenzoyl)urea, and N-[6-[2,2,3-trifluoro-3-chlorobenzodioxin-(1,4)]]-N'-(2,6-difluorobenzoyl]urea are described. A mixt. of 40 ppm 1-(2-chloro-5-**pyridylmethyl**)-2-(**nitroimino**)**imidazolidine** (II) and 8 ppm cartap (III) showed 100% control of Cnaphalocrocis medinalis, vs. 25% for II at 40 ppm and 30% for III at 8 ppm. A wettable powder was formulated contg. II 25, III 20, kieselguhr-clay (1:5) mixt. 55, Na alkylbenzenesulfonate 2, Na alkylnaphthalenesulfonate formaldehyde polymer 3 parts.

L4 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1988:624737 CAPLUS
DOCUMENT NUMBER: 109:224737
TITLE: Agricultural synergistic insecticides containing heterocycles and phosphates

INVENTOR(S): Tsuboi, Shinichi; Sasaki, Akitaka; Hattori, Yumi
PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63126810	A2	19880530	JP 1986-269928	19861114
JP 07002606	B4	19950118		

OTHER SOURCE(S): MARPAT 109:224737
GI For diagram(s), see printed CA Issue.
AB Insecticides contg. heterocycles I [X = S, CH2, NR2 (R2 = H, alkylcarbonyl); R1 = (halo- or alkyl-substituted)pyridyl, (halo- or alkyl-substituted)thiazolyl; n = 2, 3; Z = NO2, cyano] and R1O(R2)P(:X)YR3 [II; X = O, S; Y = O, S, bond; R1 = alkyl; R2 = alkoxy, alkylthio, alkylcarbonylamido, Ph; R3 = (substituted) alkyl, alkenyl, Ph, heteroaryl; R2PYR3 = phosphorine] are described. A mixt. of 40 ppm each 1-(2-chloro-5-**pyridylmethyl**)-2-(**nitroimino**)**imidazolidine** (III) and prothiophos (IV) showed 100% control of Plutella maculipennis, vs. 25% for III and IV, individually. A wettable powder was formulated contg. III 20, IV 20, kieselguhr-clay (1:5) mixt. 55, Na alkylbenzenesulfonate 2, and Na alkylnaphthalenesulfonate-formaldehyde polymer parts.

L4 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1988:624736 CAPLUS
DOCUMENT NUMBER: 109:224736
TITLE: Agricultural synergistic insecticides containing heterocycles and carbamates
INVENTOR(S): Tsuboi, Shinichi; Sasaki, Akitaka; Tattori, Yumi
PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63126806	A2	19880530	JP 1986-269927	19861114
JP 07091164	B4	19951004		

OTHER SOURCE(S): MARPAT 109:224736
GI For diagram(s), see printed CA Issue.
AB Insecticides contg. heterocycles I [X = S, CH2, NR2 (R2 = H, alkylcarbonyl); R1 = (halo- or alkyl-substituted)pyridyl, (halo- or alkyl-substituted)thiazolyl; n = 2, 3; Z = NO2, cyano] and R3OCONR4R5 [II; R3 = (substituted)aryl, heterocyclyl, imino; R4 = H, alkyl; R5 = alkyl, R6R7N; R6 = alkyl; R7 = alkyl, alkoxycarbonyl, alkoxycarbonylalkyl] are described. A mixt. of 8 ppm 1-(2-chloro-5-**pyridylmethyl**)-2-(**nitroimino**)**imidazolidine** (III) and 100 ppm propoxur (IV) showed 100% control of Nilaparvata lugens, vs. 40% for III at 8 ppm and 40% for IV at 100 ppm. A wettable powder was formulated contg. III 20, IV 20, kieselguhr-clay (1:5) mixt. 55, Na alkylbenzenesulfonate 2, and Na alkylnaphthalenesulfonate formaldehyde polymer 3 parts.

L4 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1988:544611 CAPLUS
DOCUMENT NUMBER: 109:144611

TITLE: Synergistic insecticidal and microbicidal compositions containing iminoheterocycles and edifenphos for rice
INVENTOR(S): Tsuboi, Shinichi; Sasaki, Akitaka; Hatsutori, Yumi; Kurahashi, Yoshio; Kondo, Toshihito
PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63150205	A2	19880622	JP 1986-296826	19861215
JP 07002607	B4	19950118		

OTHER SOURCE(S): MARPAT 109:144611
GI For diagram(s), see printed CA Issue.
AB Title compns. contain iminoheterocycles I [R1 = halo- or alkylpyridyl, halo- or alkylthiazolyl; X = S, CH2, alkylcarbonylamino; Z = NO2, cyano; m = 2, 3] and edifenphos (II) as active ingredients. A wettable powder contg. 1-(2-chloro-5-**pyridylmethyl**)-2-(**nitroimino**) **imidazolidine** (III) and II, both at 40 ppm, completely controlled Nilaparvata lugens and Pyricularia oryzae, whereas III and II by themselves were less active. A powder was prepd. from III 1, II 2, and clay 97 parts.

L4 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1988:544610 CAPLUS
DOCUMENT NUMBER: 109:144610
TITLE: Synergistic insecticidal and microbicidal compositions containing iminoheterocycles and fthalide for rice
INVENTOR(S): Tsuboi, Shinichi; Sasaki, Akitaka; Hatsutori, Yumi; Kurahashi, Yoshio; Kondo, Toshihito
PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63150204	A2	19880622	JP 1986-297792	19861216
JP 07084363	B4	19950913		

OTHER SOURCE(S): MARPAT 109:144610
GI For diagram(s), see printed CA Issue.
AB Title compns. contain iminoheterocycles I [R1 = halo- or alkylpyridyl, halo- or alkylthiazolyl; X = S, CH2, alkylcarbonylamino; Z = NO2, cyano; m = 2, 3] and fthalide (II) as active ingredients. A wettable powder contg. 1-(2-chloro-5-**pyridylmethyl**)-2-(**nitroimino**) **imidazolidine** (III) and II , both at 40 ppm, completely controlled Nilaparvata lugens and Pyricularia oryzae, whereas III and II by themselves were less active. A powder was prepd. from III 1, II 2.5, and clay 96.5 parts.

L4 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1988:524423 CAPLUS
DOCUMENT NUMBER: 109:124423
TITLE: Agricultural insecticide compositions containing phenoxybenzyl alkanoates and heterocycles
INVENTOR(S): Tsuboi, Shinichi; Sasaki, Akitaka; Hattori, Yumi

PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 63126805	A2	19880530	JP 1986-269926	19861114
JP 07084365	B4	19950913		

OTHER SOURCE(S): MARPAT 109:124423
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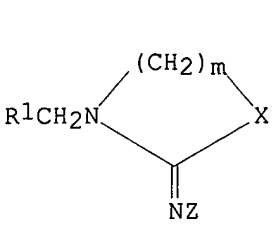

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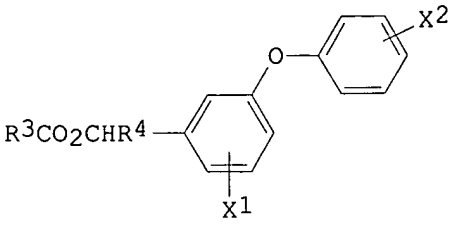

II

AB The title compns. contain heterocycles I [X = S, CH2, NR2; R2 = H, alkylcarbonyl; R1 = (halo- or alkyl-substituted)pyridyl, (halo- or alkyl-substituted) thiazolyl; m = 2, 3; Z = NO2, cyano] and alkanoates II (R3 = alkyl, cyclopropyl; R4 = H, cyano; X1, X2 = H, halo). A mixt. of 40 ppm 1-(2-chloro-5-**pyridylmethyl**)-2-(**nitroimino**) **imidazolidine** (III) and 8 ppm cyfluthrin (IV) showed 100% control of larvae of organophosphorus insecticide-resistant Plutella maculipennis, vs. 20% and 30% control by 40 ppm III and 8 ppm IV, resp. An emulsion was formulated contg. I 2, II 2, xylene 81, polyoxyethylene alkylphenyl ether 8, and Ca alkylbenzenesulfonate 7 parts.

L4 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1987:28848 CAPLUS
DOCUMENT NUMBER: 106:28848
TITLE: Heterocyclic compounds
INVENTOR(S): Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Moriya, Koichi
PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Eur. Pat. Appl., 271 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 192060	A1	19860827	EP 1986-100708	19860117
EP 192060	B1	19910918		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL				
JP 61178981	A2	19860811	JP 1985-18627	19850204
JP 06006585	B4	19940126		
JP 61178982	A2	19860811	JP 1985-18628	19850204
JP 06049699	B4	19940629		
JP 61183271	A2	19860815	JP 1985-23683	19850212
JP 07000613	B4	19950111		

JP 61267561	A2	19861127	JP 1985-106853	19850521
JP 06029258	B4	19940420		
JP 61267575	A2	19861127	JP 1985-106854	19850521
JP 05014716	B4	19930225		
JP 62081382	A2	19870414	JP 1985-219082	19851003
JP 07030070	B4	19950405		
AT 67493	E	19911015	AT 1986-100708	19860117
US 4742060	A	19880503	US 1986-821621	19860121
AU 8652866	A1	19860807	AU 1986-52866	19860130
AU 584388	B2	19890525		
IL 77750	A1	19891031	IL 1986-77750	19860131
CA 1276018	A1	19901106	CA 1986-500793	19860131
DK 8600519	A	19860805	DK 1986-519	19860203
ZA 8600763	A	19860924	ZA 1986-763	19860203
BR 8600428	A	19861021	BR 1986-428	19860203
DD 242742	A5	19870211	DD 1986-286723	19860203
HU 41954	A2	19870629	HU 1986-466	19860203
HU 200651	B	19900828		
CS 255867	B2	19880315	CS 1986-754	19860203
PL 149199	B1	19900131	PL 1986-257774	19860203
HU 202365	B	19910328	HU 1989-5815	19860203
ES 551629	A1	19871201	ES 1986-551629	19860204
US 4845106	A	19890704	US 1987-68991	19870701
ES 557616	A1	19880216	ES 1987-557616	19870709
ES 557617	A1	19880216	ES 1987-557617	19870709
ES 557618	A1	19880216	ES 1987-557618	19870709
US 5001138	A	19910319	US 1989-347836	19890504
US 5204360	A	19930420	US 1990-557292	19900724
US 5298507	A	19940329	US 1992-832174	19920206
JP 05194490	A2	19930803	JP 1992-235152	19920812
JP 07020953	B4	19950308		
DK 9201042	A	19920821	DK 1992-1042	19920821
DK 172809	B1	19990726		
US 5461167	A	19951024	US 1993-67642	19930525
US 5428032	A	19950627	US 1993-169902	19931220
US 5580889	A	19961203	US 1995-404849	19950315
US 5750704	A	19980512	US 1996-662096	19960612
US 6022967	A	20000208	US 1998-12620	19980123
US 6297374	B1	20011002	US 1999-309988	19990511

PRIORITY APPLN. INFO.:

JP 1985-18627	A	19850204
JP 1985-18628	A	19850204
JP 1985-23683	A	19850212
JP 1985-106853	A	19850521
JP 1985-106854	A	19850521
JP 1985-219082	A	19851003
EP 1986-100708	A	19860117
US 1986-821621	A3	19860121
US 1987-68991	A3	19870701
US 1989-347836	A3	19890504
US 1990-557292	A3	19900724
US 1992-832174	A3	19920206
US 1993-67642	A3	19930525
US 1993-169902	A3	19931220
US 1995-404849	A3	19950315
US 1996-662096	A3	19960612
US 1998-12620	A3	19980123

OTHER SOURCE(S): CASREACT 106:28848

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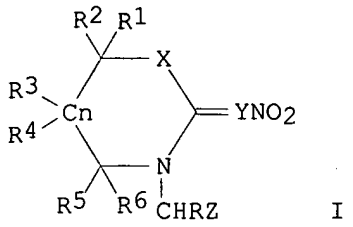

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AB I (R, R1, R2, R5, R6 = H, alkyl; R3,R4 = H, OH, alkyl; n = 0, 1; X = O, S, NR7, CHR8; Y = N, CR9; Z = 5- or 6-membered heterocyclic group; R7 = H, halo, OH, alkoxy, benzyloxy, alkyl, etc.; R8 = H, alkyl, aryl, benzyl; R9 = H, halo, OH, alkoxy etc.) were prepd. as insecticides. Thus, a mixt. of 4.3 g N-(2-chloro-5-**pyridylmethyl**)-3-aminopropanethiol and 4.3 g 1-nitro-2,2-bis(methylthio)ethylene in EtOH was refluxed for 10 h to give 1.3 g 3-(2-chloro-5-**pyridylmethyl**)-2-nitromethylenetetrahydro-2H-1,3-thiazine (II). II, 200 ppm, totally controlled peach leaf louse (Myzodes persicae) on egg plant in the lab.

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L8 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:488420 CAPLUS
DOCUMENT NUMBER: 135:307730
TITLE: Rating Systems for Pesticide Risk Classification on Different Ecosystems
AUTHOR(S): Finizio, A.; Calliera, M.; Vighi, M.
CORPORATE SOURCE: Department of the Environment and Landscape Sciences P.zza della Scienza, Milan, 1-20126, Italy
SOURCE: Ecotoxicology and Environmental Safety (2001), 49(3), 262-274
CODEN: EESADV; ISSN: 0147-6513
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A novel approach is proposed to quant. assess the environmental risks assocd. with the use of plant protection products. Different ranking indexes for the classification of pesticide risk in various environmental systems at different time and space scales have been developed: PRIHS-1 and PRIHS-2 (Pesticide Risk Index for Hypogean Soil Systems), PRIES-1 and PRIES-2 (Pesticide Risk Index for Epygean Soil Systems), and PRISW-1 and PRISW-2 (Pesticide Risk Index for Surface Water Systems). Such indexes identify the risk for each environmental system immediately after a pesticide spraying (PRIHS-1, PRIES-1, and PRISW-1) or in a wider time-space scale scenario (PRIHS-2, PRIES-2, and PRISW-2). Moreover, a general index (ERIP: Environmental Risk Index of Pesticides) was developed for quantifying the comprehensive risk for the environment. The indexes were calibrated by applying to a large no. of pesticides for which data were available. The results of the different indexes are compared, and the value and limitations of the approach are discussed. (c) 2001 Academic Press.
REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:224469 CAPLUS
DOCUMENT NUMBER: 134:224078
TITLE: Vinyl-acrylic copolymer and film-forming emulsified compositions for interior masonry
INVENTOR(S): Duca, Ioan; Gherdan, Mircea; Jurcau, Dorin; Boer,

Emil; Baciu, Gheorghe
PATENT ASSIGNEE(S): S.C. "Comeso Arad" S.A., Arad, Rom.
SOURCE: Rom., 7 pp.
CODEN: RUXXA3
DOCUMENT TYPE: Patent
LANGUAGE: Romanian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RO 113862	B1	19981130	RO 1997-787	19970423

AB Polymers for coatings with good resistance to wet abrasion on interior masonry are manufd. by emulsion polymn. of vinyl acetate 75-86, Bu acrylate 0.2-5, acrylic acid 0.3-3, 2-ethylhexyl acrylate 12-24, and Bu methacrylate 0.2-3 parts. Compns. for the manuf. of the coatings contain 17-44 parts 50% solids copolymer emulsions, 20-48 parts CaCO3, talc, or calcite, 7-16 parts TiO2, 12-30 parts added water, 0.5-2 parts hydroxyethyl cellulose (15% aq. soln.), 1-4 parts hydrophilic solvent, 0.1-0.4 parts Na hexametaphosphate pigment-filler wetting agent, 0.2-0.8 Na benzoate preservative, 0.3-0.8 fungicide selected from Na pentachlorophenolate, thiuram, carbendazim, or .alpha.-[2-(4-**chlorophenyl**)**ethyl**]-.alpha.-(1,1-dimethylethyl)-1H-**1,2,4-triazole-1-ethanol**-N-(3,4-dichlorophenyl)-N,N-dimethylurea-3-iodo-2-propynylbutyl carbamate mixt., 0.1-0.5 parts pigment-filler dispersant based on carboxylic acid polymer ammonium salts, 0.5-2 parts thickener selected from hydrophobic polyurethanes and carboxylic acid polymers, and 0.5-1.5 parts 25% aq. NH4OH soln. pH regulator.

L8 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2001:224468 CAPLUS
DOCUMENT NUMBER: 134:224077
TITLE: Styrene-acrylic copolymer and film-forming emulsified compositions containing the same, for exterior masonry
INVENTOR(S): Duca, Ioan; Gherdan, Mircea; Jurcau, Dorin; Boer, Emil; Baciu, Gheorghe
PATENT ASSIGNEE(S): S.C. "Comeso Arad" S.A., Arad, Rom.
SOURCE: Rom., 6 pp.
CODEN: RUXXA3
DOCUMENT TYPE: Patent
LANGUAGE: Romanian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
RO 113863	B1	19981130	RO 1997-788	19970423

AB Polymers for manuf. of homogeneous coatings with good resistance of wet abrasion for exterior masonry are prepd. by emulsion-polymn. of styrene 20-35, Bu acrylate 0.3-10, acrylic acid 0.3-2, 2-ethylhexyl acrylate 15-30, and Bu methacrylate 0.2-5 parts. Compns. for the manuf. of the coatings contain 28-52 parts 50% solids copolymer emulsions, 20-40 parts CaCO3, talc, or calcite, 6-18 parts TiO2, 8-30 parts added water, 0.5-2 parts hydroxyethyl cellulose (15% aq. soln.), 1.5-4 parts hydrophilic solvent, 0.1-0.4 parts Na hexametaphosphate pigment-filler wetting agent, 0.2-0.7 Na benzoate preservative, 0.2-1.0 fungicide selected from Na pentachlorophenolate, thiuram, carbendazim, or .alpha.-[2-(4-**chlorophenyl**)**ethyl**]-.alpha.-(1,1-dimethylethyl)-1H-**1,2,4-triazole-1-ethanol**-N-(3,4-dichlorophenyl)-N,N-dimethylurea-3-iodo-2-propynylbutyl carbamate mixt., 0.1-0.5 parts pigment-filler dispersant based on carboxylic acid polymer ammonium salts, 0.5-2 parts thickener

selected from hydrophobic polyurethanes and carboxylic acid polymers, and 0.5-1.5 parts 25% aq. NH4OH soln. pH regulator.

L8 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:420074 CAPLUS
DOCUMENT NUMBER: 133:48510
TITLE: Multi-residue analysis by liquid chromatography-mass spectrometry coupling. Application to drinking and river waters
AUTHOR(S): Pignon, Veronique; Jeannot, Roger; Sauvard, Emmanuel
CORPORATE SOURCE: Conservatoire National des Arts et Metiers - Centre Regional Associe d'Orleans 21 bis, Orleans, 45 000, Fr.
SOURCE: International Journal of Environmental Analytical Chemistry (1999), 75(4), 345-366
CODEN: IJEAA3; ISSN: 0306-7319
PUBLISHER: Gordon & Breach Science Publishers
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The coupling between liq. chromatog. and mass spectrometry with an APCI (atm. pressure chem. ionization) or ESI (electrospray ionization) interface (in pos. or neg. mode) is used here for multiresidue analyses of natural waters, covering basic and neutral pesticides as well as acid pesticides. The methods developed are applied to drinking and river waters after the samples are concd. by liq.-liq. extn. or solid-phase extn. on C18 cartridges. Comparisons are made between UV detection and mass spectrometry and between two chromatog. methods for acid substances. The quantitation limits range from 0.01 to 0.1 .mu.g/L, according to the substance.
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1998:450809 CAPLUS
DOCUMENT NUMBER: 129:110085
TITLE: Antibacterial fiber products and their manufacture
INVENTOR(S): Suzuki, Kimio
PATENT ASSIGNEE(S): Osaka Kasei K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10183467	A2	19980714	JP 1996-340967	19961220

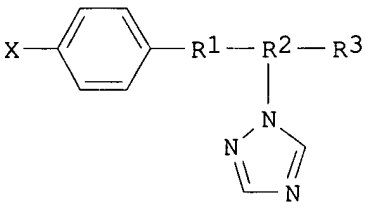
AB The fiber products, such as underwear, socks, etc., have .alpha.-[2(4-**chlorophenyl**)**ethyl**]-.alpha.-(1,1-dimethylethyl)-1H-**1,2,4-triazole**-(**1**)-**ethanol** (tebuconazole; I) and optionally binder resins on the surface and are manufd. by contacting of the fiber products with liq. contg. emulsified, suspended, or dissolved I and then drying and optionally curing. Thus, a cotton fabric was immersed in an emulsion of 10% I and dried to give a sample showing good antibacterial effects against E. coli and MRSA even after 10 washing.

L8 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1997:650700 CAPLUS
DOCUMENT NUMBER: 127:304291
TITLE: Antifungal building materials containing triazoleethanols

INVENTOR(S): Kobayashi, Masanao; Miyano, Nobuo
PATENT ASSIGNEE(S): Inax Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09255510	A2	19970930	JP 1996-105993	19960322
JP 3146278	B2	20010312		

OTHER SOURCE(S): MARPAT 127:304291
GI



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AB Building materials, such as cement and gypsum, contain triazoleethanols I (R1 = lower alkylene; R2 = hydroxy compd. residue; R3 = H, lower alkyl; X = halo). The materials are useful as bathroom tile joints. .alpha.-[2-(4-**Chlorophenyl**)**ethyl**]-.alpha.-(1,1-dimethylethyl)-1H-**1,2,4-triazole-1-ethanol** was added to portland cement-aggregate mixt. at 0.5 wt.% to give cement mortar, which was soaked in H2O at .apprx.40.degree. for 28 days to show complete control of fungal growth.

L8 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1997:489665 CAPLUS
TITLE: Microwave extraction of field incurred residues of tebuconazole fungicide: Water as an extracting solvent.
AUTHOR(S): Moye, H.A.; Gangadharan, M.K.P.; Yoh, J.; Estevez, S.J.
CORPORATE SOURCE: Institute Food and Agricultural Sciences, University Florida, Gainesville, FL, 32611-0720, USA
SOURCE: Book of Abstracts, 214th ACS National Meeting, Las Vegas, NV, September 7-11 (1997), AGRO-118. American Chemical Society: Washington, D. C.
CODEN: 64RNAO
DOCUMENT TYPE: Conference; Meeting Abstract
LANGUAGE: English
AB Tebuconazole fungicide (.alpha.-[2-(4-**chlorophenyl**)**ethyl**]-.alpha.-(1,1-dimethylethyl)-1H-**1,2,4-triazole-1-ethanol**) was applied to mustard greens and sugar beets using approved techniques as the flowable formulation (Folicur 3.6). Residue analyses were performed using conventional extn. techniques (3:1, acetone: H2O), and using microwave heated water at pressures up to 650 PSI and temps. to 250.degree.C. Microwave heated water produced extn. efficiencies equiv. to or better than the conventional extn. technique, although coextractives increased with temp. and pressure. Recoveries improved with increasing temp. The potential for the existence of a "microwave effect" will be discussed. Microwave heated water eliminated the need for any significant vols. of

org. solvents, used only in the solid phase extn. cleanup steps.

L8 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1996:693818 CAPLUS
DOCUMENT NUMBER: 125:320554
TITLE: Synergistic industrial antibacterial and antifungal agents containing alkyl 2-benzimidazolylcarbamates and a triazole derivative
INVENTOR(S): Nosaka, Nobuyoshi; Myano, Nobuo; Mizuno, Kazuhiro; Oguma, Akira
PATENT ASSIGNEE(S): Taishoo Tekunosu Kk, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08231313	A2	19960910	JP 1995-79262	19950301

AB The agents contain 2-benzimidazolylcarbamic acid (I) alkyl esters and/or their salts and .alpha.-[2-(4-**chlorophenyl**)**ethyl**]-.alpha.-(1,1-dimethylethyl)-1H-**1,2,4-triazole-1-ethanol** (II) as active ingredients. A polypropylene plate contg. 50 ppm mixts. of 30:70-70:30 I Me ester and II synergistically controlled Alternaria alternata, Aspergillus niger, Aureobasidium pullulans, etc. The antimicrobial effects were resistant to heat, detergents, bleaching agents, etc.

L8 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:629467 CAPLUS
DOCUMENT NUMBER: 123:31572
TITLE: Tebuconazole; pesticide tolerance
CORPORATE SOURCE: United States Environmental Protection Agency, Washington, DC, 20460, USA
SOURCE: Federal Register (1995), 60(104), 28348-51, 31 May 1995
CODEN: FEREAC; ISSN: 0097-6326
PUBLISHER: Superintendent of Documents
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Under the Federal Food, Drug and Cosmetic Act, a tolerance of 0.05 ppm is established for residues of the fungicide tebuconazole (alpha-[2-(4-**chlorophenyl**)-**ethyl**]-alpha-(1,1-dimethylethyl)-1H-**1,2,4-triazole-1-ethanol**) in or on the raw agricultural commodity bananas.

L8 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1992:61888 CAPLUS
DOCUMENT NUMBER: 116:61888
TITLE: Agent for preserving wood and wooden materials
INVENTOR(S): Goletz, Peter; Naczinski, Luzian
PATENT ASSIGNEE(S): Desowag Materialschutz G.m.b.H., Germany
SOURCE: Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

EP 458061	A1	19911127	EP 1991-106096	19910417
EP 458061	B1	19951011		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DE 4016601	A1	19911128	DE 1990-4016601	19900523
AT 128897	E	19951015	AT 1991-106096	19910417
ES 2080179	T3	19960201	ES 1991-106096	19910417
JP 05116109	A2	19930514	JP 1991-111431	19910516
IL 98154	A1	19950124	IL 1991-98154	19910516
PL 166782	B1	19950630	PL 1991-290340	19910521
HU 57534	A2	19911230	HU 1991-1717	19910522
HU 206581	B	19921228		
US 5196407	A	19930323	US 1991-703093	19910522
RU 2066273	C1	19960910	RU 1991-4895521	19910522
PRIORITY APPLN. INFO.:			DE 1990-4016601	19900523
			DE 1990-4016602	19900523

AB The title agent based on .gtoreq.1 fungicide and/or .gtoreq.1 insecticide comprises .alpha.-[2-(4-**chlorophenyl**)**ethyl**]-.alpha.-(1,1-dimethylethyl)-1H-**1,2,4-triazole-1-ethanol** 0.1-2.0, fungicide carbamates namely 3-iodo-2-propynylbutyl carbamate or methylbenzimidazol-7-yl carbamate 0.2-2.3, 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate 1.0-5.0, and a mixt. comprises .gtoreq.1 binder and/or fixation compd., and/or .gtoreq.1 diluent, water, and optionally an emulsifier or wetting agent .gtoreq.89 wt.%. Addnl. pyrethroid or organosilicon compds. may be added as insecticides.

L8 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1992:53656 CAPLUS
DOCUMENT NUMBER: 116:53656
TITLE: Wood preservative compositions containing cocodimethylamine.
INVENTOR(S): Hellwig, Volker; Hiller, Johannes Christian
PATENT ASSIGNEE(S): Desowag Materialschutz G.m.b.H., Germany
SOURCE: Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 448932	A2	19911002	EP 1991-100792	19910123
EP 448932	A3	19911127		
EP 448932	B1	19941102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
DE 4009740	A1	19911002	DE 1990-4009740	19900327
ES 2063384	T3	19950101	ES 1991-100792	19910123
PRIORITY APPLN. INFO.:			DE 1990-4009740	19900327

AB A wood preservative compn. or conc. against wood-staining fungi contain cocodimethylamine (I) and 2-ethylhexanoic acid (II) at (8:1)-(1-8), preferably (2:1)-(1-2) ratio, and tris-(N-cyclohexyldiazeniumdioxy)aluminum (III), and/or 1-[[2-(2,4-dichlorophenyl)-1,3-dioxolan-2-yl]methyl]-1H-**1,2,4-triazole**, or 1-[2-(2',4'-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl-1H-**1,2,4-triazole** or .alpha.-[2-(4-**chlorophenyl**)**ethyl**]-.alpha.-(1,1-dimethylethyl)-1H-**1,2,4-triazole-1-ethanol** in (aq.) org. solvent(s) and .gtoreq.1 emulsifier and/or wetting agent. Thus, a compn. contg. II 19.5, I 30.5, III 2, water 22, arom. solvent 6, and emulsifier 20% totally controlled fungal growth.